



**3x1 HDMI  
Switcher**  
USER MANUAL

## ASKING FOR ASSISTANCE

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### Notice

Gefen Inc. reserves the right to make changes in the hardware, packaging and any accompanying documentation without prior written notice.

**3x1 HDMI Switcher** is a trademark of Gefen Inc.  
**HDMI** is a trademark of hdmi.org

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# INTRODUCTION

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Congratulations on your purchase of the 3x1 HDMI Switcher. Your complete satisfaction is very important to us.

Gefen's line of HDTV switches, extenders, and splitters are designed to make your A/V equipment use more comfortable, more productive and less expensive.

The 3x1 HDMI Switcher allows access to three HDTV devices, using one HDTV display.

The line offers solutions for Home Theater, AV installation, data center, information distribution, conference room presentation, school and corporate training environments.

## Our Commitment

Gefen will always offer the finest quality product at the best possible price. Included in that price is a lifetime support from a team of outstanding engineers.

The 3x1 HDMI Switcher allows three HDTV HDMI devices to be switched easily in to one HDTV HDMI compatible monitor or projector. Simply connect your HDTV display to the Switcher's display output. The 3x1 HDMI Switcher can also be placed at the end of a long HDMI cable to regenerate the HDMI signal.

## FEATURES

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### Features

- Switches easily between any three HDMI sources
- Maintains 480p, 720p, 1080i, and 1080p resolutions
- Maintains highest HDMI single link video resolution
- Maintains highest HDMI digital audio signal
- Supports HDCP compliant devices
- HDMI or DVI to HDMI cables are used to connect the inputs and switcher output
- Inputs can be switched with the IR remote control
- Installs in seconds

### Includes:

Three - 6' HDMI cables (m-m)  
5V DC Power Supply  
RMT4-IR  
3x1 HDMI Switcher  
Users Manual

PANEL DESCRIPTIONS



Power LED

IR Eye Indicator LEDs



External IR Port

Input 1

Input 2

Input 3

Output

Power Connector

# Connecting and Operating the 3x1 HDMI Switcher

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## How to Connect the 3x1 HDMI Switcher to your devices

- 1 Connect the supplied cables from the HDTV HDMI sources into the 3x1 HDMI Switcher inputs.
- 2 Connect the cables from your display (monitor or projector) into the HDMI out of the 3x1 HDMI Switcher.
- 3 Plug the 5VDC power supply into the 3x1 HDMI Switcher.

## How to Control the 3x1 HDMI Switcher

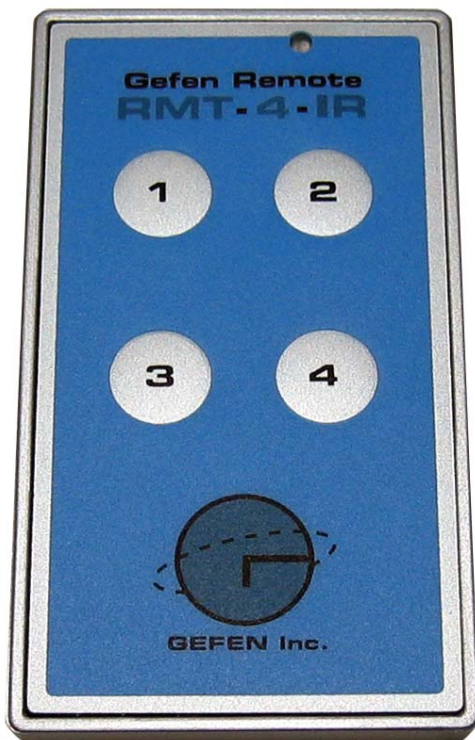
Use the RMT4-IR remote control to toggle between sources.

## RMT4-IR Installation

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1. Remove battery cover from the back of the RMT4-IR remote.
2. Verify that dip switches 1 & 2 are in the down (OFF) position.
3. Insert the battery, hold the battery so that you can see the positive side facing up. The side that is not marked must be facing down.
4. Test the RMT4-IR remote by pressing ONLY one button at a time. The indicator light on the remote will flash once each time you press a button. **WARNING:** Do not press multiple buttons simultaneously and do NOT press buttons rapidly. These actions will cause the remote to reset and steps 1-4 will have to be repeated.

Note: The RMT4-IR ships with two batteries. One battery is required for operation, the second battery is complimentary.



The optional IR extender allows you to relocate your HDMI Switcher and still have IR control of the HDMI Switcher



## IR Code Conflicts

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### How to Resolve IR Code Conflicts

There are matching pairs of dip switches underneath the Switcher unit and under the remote battery cover. Switch 1 & 2 on the Remote and Switch 1 & 2 underneath the unit are the matching switches. These switches need to be matched for the remote to communicate with the switcher. There are 4 possible sets of IR codes and at least one of these sets should be able to resolve any IR conflicts with other home theater devices.



## IR Extender Installation

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### How to Connect the IR Extender

- 1 Plug the IR extender into the Remote port on the front of the Switcher Unit
- 2 Flip the Dip Switch 1 underneath the unit to the ON position

## SPECIFICATIONS

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Video Amplifier Bandwidth .....	1.65 Gbps
Input Video Signal .....	1.2 volts p-p
Input DDC Signal .....	5 volts p-p (TTL)
Single Link Range .....	1080p / 1920 x 1200
Input Connector Type .....	HDMI type A 19 pin female
Output Connector Type .....	HDMI type A 19 pin female
Power Supply .....	5V DC
Power Consumption .....	5 watts (max)
Dimensions .....	9.375"W x 1"H x 2.75"D
Shipping Weight .....	4 lbs.

## WARRANTY

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Gefen Inc. warrants the equipment it manufactures to be free from defects in material and workmanship.

If equipment fails because of such defects and Gefen Inc. is notified within one (1) year from the date of shipment, Gefen Inc. will, at its option, repair or replace the equipment, provided that the equipment has not been subjected to mechanical, electrical, or other abuse or modifications.

Equipment that fails under conditions other than those covered will be repaired at the current price of parts and labor in effect at the of repair. Such repairs are warranted for ninety (90) days from the day of reshipment to the Buyer.

This warranty is in lieu of all other warranties expressed or implied, including without limitation, any implied warranty or merchantability or fitness for any particular purpose, all of which are expressly disclaimed.

The information in this manual has been carefully checked and is believed to be accurate. However, Gefen Inc. assumes no responsibility for any inaccuracies that may be contained in this manual. In no event will Gefen Inc., be liable for direct, indirect, special, incidental, or consequential damages resulting from any defect or omission in this manual, even if advised of the possibility of such damages. The technical information contained herein regarding 3x1 HDMI Switcher features and specifications is subject to change without notice.

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